

RAW SEQUENCE LISTING  
PATENT APPLICATION US/08/986,186

DATE: 03/15/2000  
TIME: 14:58:06

INPUT SET: S35051.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

SEQUENCE LISTING

ENTERED

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: Peterson, et al.  
6  
7 (ii) TITLE OF INVENTION: METHODS FOR GENERATING AND  
8 SCREENING NOVEL METABOLIC PATHWAYS  
9  
10 (iii) NUMBER OF SEQUENCES: 51  
11  
12 (iv) CORRESPONDENCE ADDRESS:  
13 (A) ADDRESSEE: Pennie & Edmonds  
14 (B) STREET: 1155 Avenue of the Americas  
15 (C) CITY: New York  
16 (D) STATE: NY  
17 (E) COUNTRY: USA  
18 (F) ZIP: 10036/2711  
19  
20 (v) COMPUTER READABLE FORM:  
21 (A) MEDIUM TYPE: Diskette  
22 (B) COMPUTER: IBM Compatible  
23 (C) OPERATING SYSTEM: DOS  
24 (D) SOFTWARE: FastSEQ Version 2.0  
25  
26 (vi) CURRENT APPLICATION DATA:  
27 (A) APPLICATION NUMBER: 08/986,186  
28 (B) FILING DATE:  
29 (C) CLASSIFICATION:  
30  
31 (vii) PRIOR APPLICATION DATA:  
32 (A) APPLICATION NUMBER: US/08/639,255  
33 (B) FILING DATE: 24-APR-1996  
34  
35 (A) APPLICATION NUMBER: USSN 08/427,348  
36 (B) FILING DATE: 24-APR-1995  
37  
38 (vii) PRIOR APPLICATION DATA:  
39 (A) APPLICATION NUMBER: USSN 08/427,244  
40 (B) FILING DATE: 24-APR-1995  
41  
42  
43  
44 (viii) ATTORNEY/AGENT INFORMATION:  
45 (A) NAME: Coruzzi, Laura A  
46 (B) REGISTRATION NUMBER: 30,742



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47 (C) REFERENCE/DOCKET NUMBER: 8757-005  
48  
49 (ix) TELECOMMUNICATION INFORMATION:  
50 (A) TELEPHONE: 212-790-9090  
51 (B) TELEFAX: 212-869-8864  
52 (C) TELEX: 66141 PENNIE  
53  
54  
55 (2) INFORMATION FOR SEQ ID NO:1:  
56  
57 (i) SEQUENCE CHARACTERISTICS:  
58 (A) LENGTH: 23 base pairs  
59 (B) TYPE: nucleic acid  
60 (C) STRANDEDNESS: single  
61 (D) TOPOLOGY: linear  
62  
63 (ii) MOLECULE TYPE: DNA  
64 (ix) FEATURE:  
65  
66 (A) NAME/KEY: Oligonucleotide "Bead-link-5"  
67 (B) LOCATION: 1...23  
68 (D) OTHER INFORMATION:  
69  
70 (A) NAME/KEY: Other  
71 (B) LOCATION: 1  
72 (D) OTHER INFORMATION: Biotin at nucleotide 1  
73  
74  
75 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
76  
77 GCCGACCATT TAAATCGGTT AAT  
78  
79 (2) INFORMATION FOR SEQ ID NO:2:  
80  
81 (i) SEQUENCE CHARACTERISTICS:  
82 (A) LENGTH: 21 base pairs  
83 (B) TYPE: nucleic acid  
84 (C) STRANDEDNESS: single  
85 (D) TOPOLOGY: linear  
86  
87 (ii) MOLECULE TYPE: DNA  
88 (ix) FEATURE:  
89  
90 (A) NAME/KEY: Oligonucleotide "Bead-link-3"  
91 (B) LOCATION: 1...21  
92 (D) OTHER INFORMATION:  
93  
94 (A) NAME/KEY: Other  
95 (B) LOCATION: 1  
96 (D) OTHER INFORMATION: Phosphate at nucleotide 1  
97  
98 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
99

23



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100 TAACCGATTT AAATGGTCGG C 21

101

102 (2) INFORMATION FOR SEQ ID NO:3:

103

104 (i) SEQUENCE CHARACTERISTICS:

105 (A) LENGTH: 44 base pairs

106 (B) TYPE: nucleic acid

107 (C) STRANDEDNESS: single

108 (D) TOPOLOGY: linear

109

110 (ii) MOLECULE TYPE: DNA

111 (ix) FEATURE:

112

113 (A) NAME/KEY: Annealed beadlink oligonucleotide

114 (B) LOCATION: 1...44

115 (D) OTHER INFORMATION:

116

117

118 (A) NAME/KEY: Other

119 (B) LOCATION: 8...15, 31...38

120 (D) OTHER INFORMATION: SmaI restriction

121 endonuclease sites

122

123 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

124

125 GCCGACCATT TAAATCGGTT AATCGGCTGG TAAATTTAGC CAAT 44

126

127 (2) INFORMATION FOR SEQ ID NO:4:

128

129 (i) SEQUENCE CHARACTERISTICS:

130 (A) LENGTH: 12 base pairs

131 (B) TYPE: nucleic acid

132 (C) STRANDEDNESS: single

133 (D) TOPOLOGY: linear

134

135 (ii) MOLECULE TYPE: DNA

136 (ix) FEATURE:

137

138 (A) NAME/KEY: BstXI site

139 (B) LOCATION: 1...12

140 (D) OTHER INFORMATION:

141

142

143 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

144

145 CCACCTAACT GG 12

146

147 (2) INFORMATION FOR SEQ ID NO:5:

148

149 (i) SEQUENCE CHARACTERISTICS:

150 (A) LENGTH: 20 base pairs

151 (B) TYPE: nucleic acid

152 (C) STRANDEDNESS: single



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153 (D) TOPOLOGY: linear  
154  
155 (ii) MOLECULE TYPE: DNA  
156 (ix) FEATURE:  
157  
158 (A) NAME/KEY: Promoter for cDNA and gDNA inserts  
159 (B) LOCATION: 1...20  
160 (D) OTHER INFORMATION:  
161  
162 (A) NAME/KEY: Other  
163 (B) LOCATION: 10...11  
164 (D) OTHER INFORMATION: Promoter site  
165  
166  
167 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
168  
169 GAGTAGATCT CTCGAGCGGC 20  
170  
171 (2) INFORMATION FOR SEQ ID NO:6:  
172  
173 (i) SEQUENCE CHARACTERISTICS:  
174 (A) LENGTH: 20 base pairs  
175 (B) TYPE: nucleic acid  
176 (C) STRANDEDNESS: single  
177 (D) TOPOLOGY: linear  
178  
179 (ii) MOLECULE TYPE: DNA  
180 (ix) FEATURE:  
181  
182 (A) NAME/KEY: Promoter for cDNA and gDNA inserts  
183 (B) LOCATION: 1...20  
184 (D) OTHER INFORMATION:  
185  
186 (A) NAME/KEY: Other  
187 (B) LOCATION: 10...11  
188 (D) OTHER INFORMATION: Promoter site  
189  
190  
191 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
192  
193 GCCGCTCGAG AGATCTACTC 20  
194  
195 (2) INFORMATION FOR SEQ ID NO:7:  
196  
197 (i) SEQUENCE CHARACTERISTICS:  
198 (A) LENGTH: 6 base pairs  
199 (B) TYPE: nucleic acid  
200 (C) STRANDEDNESS: single  
201 (D) TOPOLOGY: linear  
202  
203 (ii) MOLECULE TYPE: DNA  
204 (ix) FEATURE:  
205



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206 (A) NAME/KEY: Promoter for cDNA and gDNA inserts  
207 (B) LOCATION: 1...6  
208 (D) OTHER INFORMATION:

209

210

211 (A) NAME/KEY: Other

212 (B) LOCATION: 5...6

213 (D) OTHER INFORMATION: Promoter site

214

215

216 (A) NAME/KEY: Other

217 (B) LOCATION: 1

218 (D) OTHER INFORMATION: Phosphate at nucleotide 1

219

220

221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

222

223 GATCTC

6

224

225 (2) INFORMATION FOR SEQ ID NO:8:

226

227 (i) SEQUENCE CHARACTERISTICS:

228 (A) LENGTH: 6 base pairs

229 (B) TYPE: nucleic acid

230 (C) STRANDEDNESS: single

231 (D) TOPOLOGY: linear

232

233 (ii) MOLECULE TYPE: DNA

234 (ix) FEATURE:

235

236 (A) NAME/KEY: Promoter for cDNA and gDNA inserts

237 (B) LOCATION: 1...6

238 (D) OTHER INFORMATION:

239

240

241 (A) NAME/KEY: Other

242 (B) LOCATION: 5...6

243 (D) OTHER INFORMATION: Promoter site

244

245

246 (A) NAME/KEY: Other

247 (B) LOCATION: 1

248 (D) OTHER INFORMATION: Phosphate at nucleotide 1

249

250

251 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

252

253 TCGAGA

6

254

255 (2) INFORMATION FOR SEQ ID NO:9:

256

257 (i) SEQUENCE CHARACTERISTICS:

258 (A) LENGTH: 8 base pairs



PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/08/986,186**

DATE: 03/15/2000  
TIME: 14:58:08

***INPUT SET: S35051.raw***

Line

Error

Original Text